

**In re the Patent Application:****LOW OXYGEN AFFINITY MUTANT HEMOGLOBINS****Inventors: Chien Ho, Ching-Hsuan Tsai, Tsuei-Yun Fang and Tong-Jian Shen****Filed: November 9, 2001****Serial No.: 09/986,666****Attorney Docket No.: 002547/20118/DIV3**

**Transmitted herewith are the following items in connection  
with the above-identified patent application:**

- Check for \$205.00
- Check for \$180.00
- Amendment Transmittal Letter (1 p. + copy)
- Petition For Extension of Time (2pp + copy)
- Amendment (11 pp.)
- Supplemental Sequence Listing
  - Paper Copy (5 pp.)
  - Computer readable copy (1 diskette)
- Copy of IDS and Form PTO 1449 filed December 22, 2000 and December 13, 2001
- Formal Drawings (20 sheets)



**Dated: September 9, 2003**

**The stamp of the U.S. Patent and Trademark Office Mail  
Room hereon acknowledges the receipt of the above-identified  
papers on the date indicated by such stamp.**



**AMENDMENT TRANSMITTAL LETTER**

ocket Number (Optional)

Application Number  
09/986,666Filing Date  
November 9, 2001Examiner  
K. CarlsonGroup  
Art Unit 1653Invention Title  
**LOW OXYGEN AFFINITY MUTANT HEMOGLOBINS****TO THE COMMISSIONER OF PATENTS AND TRADEMARKS**

Transmitted herewith is an amendment in the above-identified application.

- ☒ Small Entity status of this application has been established under 37 CFR 1.27 by a verified statement previously submitted
- ☐ A verified statement to establish Small Entity status under 37 CFR 1.27 is enclosed.
- ☒ No additional claim fee is required.
- ☒ The fee has been calculated as shown below:

**CLAIMS AS AMENDED**

	(1)		(2)	(3)		
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT NUMBER EXTRA	RATE	FEE
TOTAL CLAIMS	* 15	minus	**20	0	x \$18	0
INDEPENDENT CLAIMS	* 8	minus	** 8	0	x \$84	0
MULTIPLE DEPENDENT CLAIM ADDED					\$280	0
					<b>TOTAL</b>	0
If applicant has small entity status under 37 CFR 1.9 and 1.27, then divide total fee by 2, and enter amount here					<b>SMALL ENTITY TOTAL</b>	0

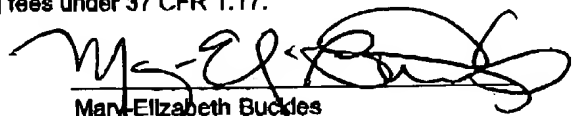
\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3

\*\* If the highest number previously paid for IN THIS SPACE is less than 20, enter "20".

\*\*\* If the highest number previously paid for IN THIS SPACE is less than 3, enter "3".

The "highest number previously paid for" (total or independent) is the highest number found in the appropriate box in column 1.

- ☐ Please charge Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.  
A duplicate copy of this sheet is enclosed.
- ☒ Checks in the amount of \$205.00 and \$180.00 to cover the filing fees for a 2-month extension of time and IDS filing fee are enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account Number 18-0582.  
A duplicate copy of this sheet is enclosed.
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ Any patent application processing fees under 37 CFR 1.17.

September 9, 2003  
Date
  
 Mary Elizabeth Buckles  
 Registration No. 31,907  
 Reed Smith LLP  
 1301 K Street, N.W. Suite 1100 - East Tower  
 Washington, D.C. 20005  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of )

CHIEN HO, et al. )

Serial No.: 09/986,666 )

Filed: November 9, 2001 )

For: LOW OXYGEN AFFINITY MUTANT )  
HEMOGLOBINS )

Group Art Unit: 1653

Examiner: K. Carlson

PETITION FOR EXTENSION OF TIME  
FOR RESPONSE UNDER 37 C.F.R. § 1.136

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Applicant hereby petitions the Commissioner to extend the term for response to the Office Action mailed April 9, 2003 for two (2) months to and including September 9, 2003, which date is within the six month maximum response time afforded by 35 U.S.C. § 133.

A check in the amount of \$205.00 is attached to cover the fee set forth in 37 C.F.R. § 1.17(a)(2) for "response within second month" by a small entity. The Director is hereby authorized to charge Deposit Account No. 18-0582 for any

deficiency in the fee associated with this communication. A duplicate copy of this document is attached.

Respectfully submitted,

By: 

Mary-Elizabeth Buckles  
Registration No. 31,907

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Filed: September 9, 2003